

Product datasheet for **MG201200**

Rgs13 (NM_153171) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Rgs13 (NM_153171) Mouse Tagged ORF Clone
 Tag: TurboGFP
 Symbol: Rgs13
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-AC-GFP (PS100010)
 E. coli Selection: Ampicillin (100 ug/mL)
 ORF Nucleotide Sequence: >MG201200 representing NM_153171
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGCAGGCATATCTGTTGGATTTGTAAGCTATGCAGAGATGAATCTAAGAGGCTCCCTTCAAACCTTA
 CTTTGGATGAAGTTTTAAATGGGCCCAATCTTTGGAAAGTCTGATGGCTACAAAATATGGCCCAATAGT
 GTACACAGCATATTTAAATGGAGCACAGTGATGAGAACATTAATTCTGGATGGCATGTGAAACCTAC
 AAGAAAATTGCTTCACGAAGGGGCAGAATTTCTAGGGCAAAAAGCTTTACAATATCTACATCCAGCCAC
 AGTCTCCTAGAGAGATTAACATCGACAGTACAACACGGGAAGCTATCATCAAAGCATTCTGTAACCCAC
 TCAAACATGCTTTGAAGAAGCTCAGAAGATTGTATACATGCACATGGAATGGATTCTTACCCAGATTT
 TTAAAGTCTGAAATGTACCAACAACCTCCTGAAAAGTGTCAATCCCAAAGCTCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG201200 representing NM_153171
 Red=Cloning site Green=Tags(s)

MSRHICWICKLCRDESKRLPSNLTLDVCLKWAQSLLESLMATKYGPVYVYAYLKLEHSDENIKFWMACETY
 KKIASRRGRISRAKKLYNIYIQPSPREINIDSTTREAIIKSIREPTQTCFEEAQKIVYMHMEMDSYPRF
 LKSEMYQQLLKTQSQSS

TRTRPLE - GFP Tag - V

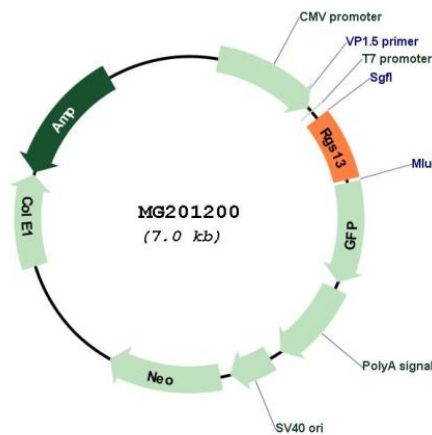
Restriction Sites: SgfI-MluI



[View online »](#)

Cloning Scheme:

Cloning sites used for ORF Shutting:


Plasmid Map:

ACCN: NM_153171

ORF Size: 474 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_153171.4</u> , <u>NP_694811.1</u>
RefSeq Size:	1497 bp
RefSeq ORF:	477 bp
Locus ID:	246709
UniProt ID:	<u>Q8K443</u>
Cytogenetics:	1 62.56 cM
Gene Summary:	Inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits thereby driving them into their inactive GDP-bound form. Binds to both G(i)-alpha and G(q)-alpha.[UniProtKB/Swiss-Prot Function]